Leidy, Robert

From: Leidy, Robert
Sent: Wednesday, April 02, 2014 10:14 PM
To: Kenneth Maits; Julia Fonseca
Cc: evan.canfield@pima.gov; Clark Phillips
Subject: RE: Strahler stream order

Hello Ken and Julia,

Thank you so much for developing this information. It will be very useful and I appreciate very much your efforts to put this together so quickly.

Best,

Rob

Robert A. Leidy, Ph.D.
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Wetlands Office (WTR-8)
75 Hawthorne Street
San Francisco, CA 94105
(415) 972-3463

From: Kenneth Maits [mailto:Kenneth.Maits@pima.gov]
Sent: Wednesday, April 02, 2014 10:17 AM
To: Leidy, Robert; Julia Fonseca
Cc: evan.canfield@pima.gov; Clark Phillips
Subject: RE: Strahler stream order

Attached are 3 PDFs illustrating the Strahler stream order for the Rosemont disturbance site, the downstream reach to Cienega Creek and the proposed mitigation site. Please let me know if you need anything else.

From: Leidy, Robert [mailto:Leidy.Robert@epa.gov]
Sent: Monday, March 31, 2014 3:26 PM
To: Julia Fonseca; Kenneth Maits
Cc: Evan Canfield; Clark Phillips
Subject: RE: Strahler stream order

Julia,

Yes, the Sonoita Creek mitigation site is what I mean. At the Rosemont impact site I am interested in the areas impacted by direct fill and the indirectly impacted areas downstream from the fill in Barrell and Davidson canyons to the confluence with Cienega Creek.

Thank you very much!

Rob

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From: Julia Fonseca [mailto:Julia.Fonseca@pima.gov]
Sent: Monday, March 31, 2014 3:06 PM
To: Kenneth Maits; Leidy, Robert
Cc: evan.canfield@pima.gov; Clark Phillips
Subject: FW: Strahler stream order

Ken, please proceed using the flow accumulation model. The question as I understand is would be what strahler orders characterize the impact site and what strahler order is the mitigation site?

Rob, now you need to define the mitigation and impact site more precisely. The attached map shows the location of the Sonoita Creek mitigation site. Can you confirm this is the SCR you mention below? Also: Do you want the Rosemont impact site to be defined only by the black and gray areas? Or do you want to also consider hits by the transmission line and pipeline and access road?

From: Leidy, Robert [mailto:Leidy.Robert@epa.gov]
Sent: Monday, March 31, 2014 2:57 PM
To: Julia Fonseca
Subject: RE: Strahler stream order

Hi Julia,

Thank you. The flow accumulation modeling approach sounds best. I want to compare the impact site with SCR in terms of stream type by order or other meaningful measure.

Best,

Rob

From: Julia Fonseca [mailto:Julia.Fonseca@pima.gov]
Sent: Monday, March 31, 2014 11:38 AM

To: Leidy, Robert
Cc: Kenneth Maits; evan.canfield@pima.gov
Subject: FW: Strahler stream order

Robert, what kind of format would be most helpful to you?
Will it be OK to run this based on flow accumulation modeling or must it be done using the USGS streams only? The flow accumulation modeling will be more accurate.

Julia Fonseca
Environmental Planning Manager

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From: Kenneth Maits
Sent: Monday, March 31, 2014 11:33 AM
To: Evan Canfield; Julia Fonseca
Subject: RE: Strahler stream order

Julia forwarded this to me and I think I can provide a stream order feature class based on our standard 25 acre flow accumulation modeling. What format would the data be best presented in? I could map it and produce a graphic or produce a feature class or both.
